

Converting Colors

XYZ(58.2000, 48.9412,
134.6411)

Have a look what the booklet for
XYZ(58.2000, 48.9412, 134.6411)
contains.

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Color

**XYZ(51.8586, 46.5488,
100.8593)**

Conversions

Conversions Part 1

Format	Color
Hex	B5ACFF
RGB	181, 172, 255
RGB Percent	71%, 67%, 100%
CMY	0.2902, 0.3255, 0.0000
CMYK	0.29, 0.33, 0.00, 0.00
HSL	247°, 100%, 84%
HSV	247°, 33%, 100%
XYZ	51.8586, 46.5488, 100.8593
YIQ	184.1530, -21.2790, 27.7210

Conversions

Conversions Part 2

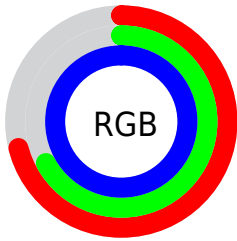
Format	Color
RYB	181, 172, 255
Decimal	11906303
CIELab	73.90, 21.07, -39.96
CIElCh	74, 45.174, 297.797
Yxy	46.5488, 0.2602, 0.2336
Android (android.graphics.Color)	4290096383 (0xFFB5ACFF)
YUV	184.1530, 34.9276, -2.7652
Hunter-Lab	68.2267, 16.2798, -39.8896

Details

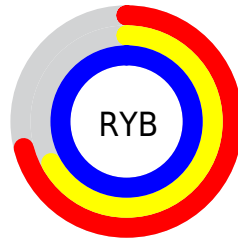
The XYZ color **51.8586, 46.5488, 100.8593** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.2127, 94.0915, 52.9126**, and the grayscale version is **45.4673, 47.8351, 52.0924**.

A 20% lighter version of the original color is **80.7790, 80.3353, 105.8565**, and **25.5137, 21.9458, 56.3173** is the 20% darker color. If you saturate the color by 10%, you get **42.5601, 35.2297, 99.1646**, and if you desaturate by 10%, it is **62.9609, 60.1820, 102.9056**.

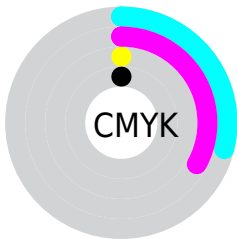
Distribution



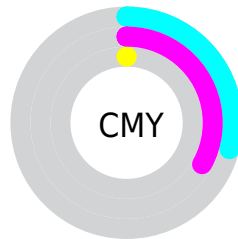
- Red (71%)
- Green (67%)
- Blue (100%)



- Red (71%)
- Yellow (67%)
- Blue (100%)



- Cyan (29%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8586, 46.5488, 100.8593 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 51.8586, 46.5488, 100.8593 by changing the saturation by 10% instead.

■ 51.8586, 46.5488,
100.8593

■ 51.8586, 46.5488,
100.8593

384.2234,
373.0106, 584.2144

■ 37.1162, 32.6791,
76.3975

■ 92.0981, 85.0397,
164.3997

■ 25.4716, 21.8807,
56.2499

118.3260,
110.4298, 204.3154

■ 16.5593, 13.7693,
39.9980

149.1130,
140.4287, 250.2195

■ 10.0142, 7.9604,
27.2232

184.8246,
175.4209, 302.5305

■ 5.4707, 4.0696,
17.5070

225.8260,
215.7908, 361.6669

■ 2.5636, 1.7126,
10.4309

272.4828,

■ 0.9274, 0.4318,

261.9228, 428.0473

5.5762

325.1601,
314.2013, 502.0903

■ 0.0000, 0.0000,
2.5246

■ 0.0000, 0.0000,
0.8531

■ 51.8586, 46.5488,
100.8593

■ 51.8586, 46.5488,
100.8593

■ 42.5601, 35.2297,
99.1646

■ 62.9609, 60.1820,
102.9056

■ 34.9656, 26.0909,
97.8009

■ 75.9512, 76.2426,
105.3210

■ 28.9719, 18.9928,
96.7467

■ 90.9135, 94.8428,
108.1226

■ 24.4631, 13.7776,
95.9777

■ 95.0500, 100.0000,
108.9000

■ 21.3070, 10.2641,
95.4659

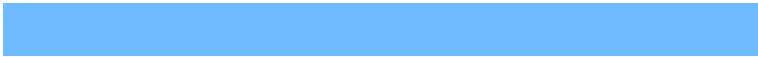
■ 19.3474, 8.2346,
95.1775

■ 18.5194, 7.4620,
95.0720

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.6512, 46.5488, 109.1135



51.8586, 46.5488, 100.8593



58.6703, 46.5488, 78.1573

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.8586, 46.5488, 100.8593



53.0121, 46.5488, 21.6733



30.5126, 46.5488, 48.9996

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.8586, 46.5488, 100.8593



81.2127, 94.0915, 52.9126

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.3993, 46.5488, 30.5459



51.8586, 46.5488, 100.8593



44.8406, 46.5488, 18.0462

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.8586, 46.5488, 100.8593



59.3910, 46.5488, 32.6993



37.4125, 46.5488, 20.7210



31.9185, 46.5488, 74.2857

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8586, 46.5488, 100.8593



61.1557, 46.5488, 60.6392



37.4125, 46.5488, 20.7210



30.7773, 46.5488, 41.8822

Sweetspot

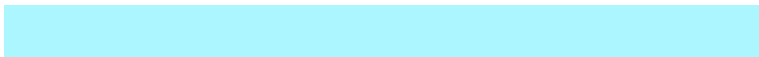
The Sweet Spot groups the original color and five complimentary colors.



51.8601, 46.5506, 100.8596



79.5727, 80.7359, 105.9974



68.2332, 82.3294, 106.9026



16.6008, 16.7459, 22.6073



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8601, 46.5506, 100.8596



45.6592, 38.9893, 99.7269



62.8666, 52.2246, 101.3747



17.1858, 17.4720, 22.7166



9.7353, 3.9292, 49.6799



1.0048, 0.4119, 4.8398

Inverse Universe

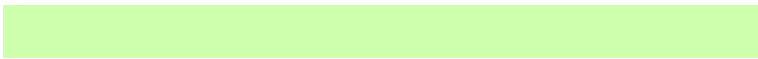
The Inverse Universe completely reimagines the original color for something new.



72.6277, 57.4202, 94.4440



69.4150, 51.4309, 92.0284



68.4393, 87.5066, 52.3148



18.7028, 18.2644, 22.3180



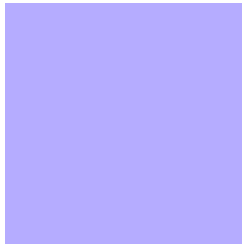
28.8529, 14.0305, 39.4716



2.8326, 1.3754, 3.9658

Previews

White Background



This preview shows how the XYZ color 51.8586, 46.5488, 100.8593 looks on a white background.

Color Contrast Check

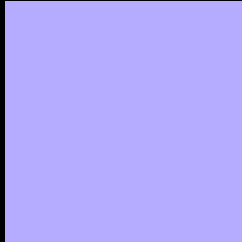
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 51.8586, 46.5488, 100.8593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

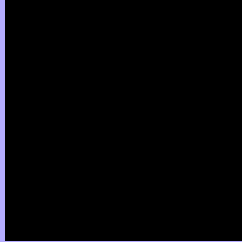
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8586, 46.5488, 100.8593

Background



This preview shows how black text looks on a background with the XYZ color 51.8586, 46.5488, 100.8593.



This preview shows how white text looks on a background with the XYZ color 51.8586, 46.5488,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51.8586, 46.5488, 100.8593

Protanopia

48.2707, 46.7293, 101.0833

Deuteranopia

47.7543, 46.5001, 99.3870



Tritanopia

43.4887, 46.3792, 60.0861

Trichromacy



Original Color

51.8586, 46.5488, 100.8593

Protanomaly

49.3012, 46.3777, 100.9611

Deuteranomaly

49.1406, 46.3134, 100.1153

Tritanomaly

46.1399, 46.2389, 73.5110

Monochromacy



Original Color

51.8586, 46.5488, 100.8593

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.4826, 47.3629, 67.6121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8586, 46.5488, 100.8593 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 172, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8586, 46.5488, 100.8593 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 172, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(181, 172, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(181, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8586, 46.5488, 100.8593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 172, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181,  
172, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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